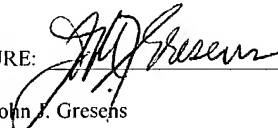


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FORM PTO-1390 (REV 10-94)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 12875.21USWO
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) unknown <b>10/031287</b>
INTERNATIONAL APPLICATION NO. PCT/DK00/00344 ✓	INTERNATIONAL FILING DATE June 26, 2000 ✓	PRIORITY DATE CLAIMED July 14, 1999 ✓	
TITLE OF INVENTION OPENABLE SCREEN ELEMENT SUCH AS A DOOR ✓			
APPLICANT(S) FOR DO/EO/US JENSEN <i>JACOB TIMOTHY</i>			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).</li> <li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An unsigned oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>			
<b>Items 11. to 16. below concern document(s) or information included:</b>			
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.			
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.			
13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND of SUBSEQUENT preliminary amendment.			
14. <input type="checkbox"/> A substitute specification.			
15. <input type="checkbox"/> A change of power of attorney and/or address letter.			
16. <input checked="" type="checkbox"/> Other items or information: Preliminary Amendment, Marked-Up Copy, Abstract, PCT/IPEA/409, PCT/ISA/210, International Publication Page.			

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U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) unknown		INTERNATIONAL APPLICATION NO. PCT/DK00/00344		12875.21USWO	
17. [X] The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b> Search Report has been prepared by the EPO or JPO.....\$890.00  International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1)).....\$710.00  No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)).....\$740.00  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(3)) paid to USPTO ..... \$1040.00  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) .....\$100.00				<b>CALCULATIONS</b> PTO USE ONLY	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				\$890.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	12                      -20 =	0	X \$18.00	\$0	
independent claims	1                                -3 =	0	X \$84.00	\$0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$260.00	\$0	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$890.00	
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27				\$445.00	
<b>SUBTOTAL =</b>				\$445.00	
Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+ \$0	
<b>TOTAL NATIONAL FEE =</b>				\$445.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+ \$na	
<b>TOTAL FEES ENCLOSED =</b>				\$445.00	
				Amount to be: refunded	\$
				charged	\$
a. [X] Check in the amount of \$445.00 to cover the above fees is enclosed.  b. [ ] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-2725.					
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>					
SEND ALL CORRESPONDENCE TO: John J. Gresens MERCHANT & GOULD P.O. Box 2903 Minneapolis, MN 55402-0903					
				SIGNATURE:  NAME: John J. Gresens REGISTRATION NUMBER: 33,112	

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531 Rec'd PCT/PTC 14 JAN 2002

S/N unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: JENSEN Serial No.: unknown  
Filed: concurrent herewith Docket No.: 12875.21USWO  
Title: OPENABLE SCREEN ELEMENT SUCH AS A DOOR

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number:

Date of Deposit:

I hereby certify that this correspondence is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By   
Name: Chris Stordahl

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

PRELIMINARY AMENDMENT

In connection with the above-identified application filed herewith, please enter the following preliminary amendment, which is based on the Article 36 amendments, published in the International Preliminary Examination Report, a copy of which is enclosed herewith:

IN THE ABSTRACT

Insert the attached Abstract page into the application as the last page thereof.

IN THE SPECIFICATION

A courtesy copy of the present specification is enclosed herewith. However, the World Intellectual Property Office (WIPO) copy should be relied upon if it is already in the U.S. Patent Office.

IN THE CLAIMS

Please amend claims 3-6, 9-10 and 12 as follows:

3. (Amended) An openable screen element according to claim 1, wherein the screen element is provided with a rebate along at least the side and top ends, said rebate having a complimentary cross section shape in relation to the cross section of the frame structure.
4. (Amended) An openable screen element according to claim 1, wherein the two planar sectional elements have two planes that are both different from the plane of the wall opening.
5. (Amended) An openable screen element according to claim 1, wherein the first planar sectional element have a plane parallel or coincident with the wall plane and the second planar sectional element differing therefrom.
6. (Amended) An openable screen element according to claim 1, wherein the element comprises two screen elements side-hinged at each side of the frame structure.
9. (Amended) An openable screen element according to claim 1, wherein lighting means are arranged in connection with the screen element and/or the frame structure with optional sensor means for activating the lighting means.
10. (Amended) A screen element according to claim 1, wherein the screen element is a fire door.

12. (Amended) A screen element according to [any of the preceding] claim 1, wherein said first planar sectional element being wider than the second planer sectional element which is provided with locking means.

REMARKS

The above preliminary amendment is made to remove multiple dependencies from claims 3-6, 9-10 and 12.

A new abstract page is supplied to conform to that appearing on the publication page of the WIPO application, but the new Abstract is typed on a separate page as required by U.S. practice.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Marked-up Copy".

Applicants respectfully request that the preliminary amendment described herein be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

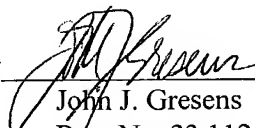
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, John J. Gresens (Reg. No. 33,112), at (612) 371.5265.

Respectfully submitted,

MERCHANT & GOULD P.C.  
P.O. Box 2903  
Minneapolis, Minnesota 55402-0903  
(612) 332-5300

Dated: January 14, 2002

By

  
John J. Gresens  
Reg. No. 33,112

JJG/kjr/jlh

### **Abstract**

The present invention relates to an openable screen element such as an insert unit to be inserted into an opening of a wall, particularly a door or a window, comprising at least one screen element side-hinged to the frame structure, said screen element being pivotally mounted over a hinge axis in the frame structure for opening and closing in a direction away from the opening, where the screen element comprises two mutually angled planar sectional elements preferably rectangular in shape, positioned in different planes with an intersection line essentially parallel with the hinge axis. Apart from being communication surfaces containing information of the activities in a room with one or more doors according to the invention mounted into the walls, the screen element, such as a door surface of a screen element according to the invention, will also be able to function as a direction pointer or provide visual indication of the direction for opening of the screen element (door or window) due to its bent shape. With the two planar sectional elements of the door being mutually angled, it is also possible to obtain a light/shadow effect that will be able to break the visual experience of the wall portion wherein the screen element has been integrated.

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3. An openable screen element according to claim 1 [or 2], wherein the screen element is provided with a rebate along at least the side and top ends, said rebate having a complimentary cross section shape in relation to the cross section of the frame structure.
4. An openable screen element according to claim[s] 1 [to 3], wherein the two planar sectional elements have two planes that are both different from the plane of the wall opening.
5. An openable screen element according to claim[s] 1 [to 3], wherein the first planar sectional element have a plane parallel or coincident with the wall plane and the second planar sectional element differing therefrom.
6. An openable screen element according to [any of the proceeding] claim[s] 1, wherein the element comprises two screen elements side-hinged at each side of the frame structure.
9. An openable screen element according to [any of the proceeding] claim[s] 1, wherein lighting means are arranged in connection with the screen element and/or the frame structure with optional sensor means for activating the lighting means.



10. A screen element according to [any of the preceding] claim[s] 1, wherein the screen element is a fire door.

12. A screen element according to [any of the preceding] claim[s] 1, wherein said first planar sectional element being wider than the second planar sectional element which is provided with locking means.

4/PRTS<sub>1</sub>

JC12 Rec'd PCT/PTO

14 JAN 2002

OPENABLE SCREEN ELEMENT SUCH AS A DOOR

The present invention relates to a screen element such as an insert unit to be inserted into an opening of a wall, especially a door or a window, comprising at least one  
5 screen element side-hinged to a frame-structure, said screen element being pivotally mounted over a hinge axis in a frame structure for opening and closing in a direction away from the opening.

Buildings and building interior in general feature a wide variety of doors and  
10 windows in order to separate two rooms in a building structure. These doors may be of different shapes depending on their function, and include e.g. a fire door, gates, or main entrances to wall fronts providing access to a building. For interior use, they are used as room separators or fire doors in long corridors or walking areas of e.g. office  
15 buildings. Interior doors may come in many shapes and sizes. Common to these door types is the fact that they consist of an essentially plate-shaped screen element in a hard material, typically wood, glass, steel or aluminium or combinations thereof. The door plate is hinged to a frame-structure in the shape of a door case and is provided with a handle for opening and closing of the door. By larger openings, such as  
20 corridors, where division is required due to fire protection, double doors may be used.

The doors may be provided with various ornaments on the surface but they all have in common that they show a plane screening of the door opening.

25 Other types of doors include flexible doors, such as folding doors, that do not open away from the opening, where a screen element of this kind may be folded when the door is opened since the door opening is provided with guiding rails at the top and bottom. A folding door requires quite a lot of space when it is opened and is thus only advantageous if the wall opening is relatively wide and when one or two side-  
30 hung doors are not practical.

CONFIRMATION COPY

Often, it will be practical to provide the wall immediately next to the door with a sign or the like, possibly extending out into the room, so that by-passers may determine where they are. Also, the doors may be provided with special colours by which ~~information about~~ <sup>of direction</sup> ~~communication with~~ the persons in the room(s) behind the doors may be established.

5

However, by the present invention it is realized that by departing from the traditional design of doors, this communication effect may be integrated in the door. Thus, the present invention relates to a screen element of the initially mentioned kind comprising two mutually angled, planar sectional elements preferably rectangular in shape with differing planes and an intersection line which is essentially parallel with  
10 the hinge axis. The first planar sectional element is preferably significantly wider than the second planar sectional element.

Apart from acting as communication surfaces bearing information about the persons  
15 in the room with one or more doors according to the invention <sup>by protruding out from wall</sup> ~~integrated the walls~~, the screen element, such as the door plate of a screen element according to the invention, may also act as a direction pointer or provide visual indication of the direction in which the screen element may be opened (the door or the window) due to its bent shape. The two plane surfaces, which are mutually angled, also provide a  
20 light/shadow effect that may break the visual experience of the wall portion wherein the screen element is integrated.

In another embodiment of the invention, an openable screen element as the one disclosed above has been provided with lighting means and optional sensor means  
25 for activating the lighting means in the screen element or/and the frame structure. In this manner, it will also be possible to obtain a communicative effect for indication of the opening direction of the door and/or stating to which activity or person the room behind the door relates or belongs. In addition, it is possible to establish integrated lighting in e.g. the frame above the door which will automatically be  
30 activated when activity outside the door is registered.

In the preferred embodiment of a screen element according to the invention, the two planar sectional elements are positioned in two planes with a mutual angle of  $10^\circ$  to  $20^\circ$ , preferably around  $15^\circ$ . In this manner, a geometry is created whereby the screen element extends sufficiently out from the wall portion to ensure the communicative effect without the screen appearing as a hindrance to the functionality of the room and the door geometry appearing as a hindrance to the opening of the door.

In a preferred embodiment of a screen element according to the invention, the screen element is provided with a rebate along at least the side and top ends, said rebate having a complimentary cross section shape in relation to the cross section of the frame structure. In this manner, the frame will be covered and removed from the visual impression of the side of the room in which the door is opened.

In a first embodiment, the two planar sectional elements have two planes that both differ from the plane of the wall opening. This provides the opportunity to use both elements as communication surfaces.

In a second embodiment, the first planar sectional element has a plane parallel or coincident with the wall plane and the second planar sectional element has a differing plane. In this manner, the angled planar sectional element and the part of the frame structure connected herewith may be provided with communicative signalling means.

In yet another embodiment of an element according to the invention, the element contains two screen elements which are side-hinged at each side of the frame structure. In this manner, a double screen element, especially a double door, is provided and features a visual opening indication.

In a first embodiment of a double element according to the invention, the two screen elements have the same opening direction whereby the double door is suited for screening wide wall openings.

fig. 7 shows a door according to another embodiment of the invention.

Figure 1 shows a screen element according to the invention in the shape of a door mounted in a wall opening 5. The door may either be an outer door or a door integrated in an interior wall construction. The special thing about this door is that it is designed with a "bend" since the main surface of the door has two planar sectional elements 1,2, mutually angled at an angle of 10° to 20°, and preferably 15°. The door surface is designed in a material that is bent or assembled in such a manner that the first planar sectional element 1 is wider than the second planar sectional element 2. By the first planar sectional element 1, the door plate or the screen element is hinged at one side (see e.g. figs. 2 and 7) to a frame structure 3. At the opposite side, the plate is bent or in another way extended into the second planar sectional element 2, wherein a door handle 4 is mounted with locking means, such as a locking pawl. Corresponding locking means are mounted in the frame 3 for fixing and potentially locking the door in a closed position.

As shown in figs. 2 and 3, a screen element according to the invention may essentially be mounted in the wall opening 5 in two different ways. Fig. 2 shows a first possibility where the two surfaces 1,2 extend out into the room in which the door is opened. Thus, when in closed position, the two planar sectional elements are positioned in different planes from the wall plane of the opening 5. The other principal possibility of mounting a screen element according to the invention in a wall opening is to ensure that one of the planar sectional elements 1,2 is parallel with the wall plane. Thus, in fig. 3 the main plane, which is the first planar sectional element 1, is arranged parallelly with the wall plane.

As is apparent from figs. 2 and 3, the door may be provided with a rebate 10 whereby a tightening between the door 1,2 and the frame 3 may be established, just as the rebate 10 may be designed in such dimensions that the frame 3 may be entirely hidden behind the rebate 10.

Figures 4 to 6 show various embodiments of a double door by using a screen element according to the invention. The embodiment shown in fig. 4 is a double door element

with two doors according to the invention opening in the same direction. The two doors are laterally reversed in design so that the two "bent" sectional elements 2,2' angled in relation to the main planes 1,1' show the opening direction of the door element. The embodiment in fig. 5 shows a double door element with two doors according to the invention opening in opposite directions which has been created by making the doors similar in shape, the bend between the planar sectional elements 1,2, 1' and 2' respectively, and showing the opening direction of each of the doors constituting the double door. Figure 6 shows an embodiment where only one door is a screen element according to the invention. In this case, the other part 8 of the door may be blinded but may be opened if required, e.g. during transportation of particularly wide furniture, machines or the like through the door opening.

The doors illustrated in figs. 2 to 6 have all been provided with locking means and a door knob 4 at each side of the door. Naturally, by the invention, it is also realized that the doors may alternatively be provided with knobs on just one or none of the sides if required by the conditions.

Figure 7 shows various other aspects of the invention. In order to provide the door with a communicative effect, or improve this effect, the frame 3, the door planes 1,2 or the space immediately above the frame may be provided with lighting means 7 and optional sensor means for activating the lighting means 7 by e.g. activity outside the door. The lighting means may consist of light boxes 7, e.g. in the frame 3, or even directly in the wall opening. The light boxes 7 may be in the shape of signs, e.g. with a logo or bear information of the activity or person to which the room behind the door relates. Alternatively or as a supplement, either one or both of the planar sectional elements 1,2 may be provided with signs in the shape of an inscription, logo or the like.

Figure 7 also illustrates the possibility of concealing automatic door closing means 9 in the door, just as it will be possible to use spring hinges 6. However, this presupposes that the door surface is of a certain robustness but will be particularly

attractive in relation to a fire door, since the outer surfaces of a door according to the invention are designed in steel in the shape specified by this invention.

By the above-mentioned description of a screen element according to the invention,  
5 the invention relates to a door used either for interior room separation in buildings,  
internal or external fire doors, main doors and entrances etc. However, it is  
understood that the invention may also be used in relation to the design of windows  
in order to provide the corresponding built-in communicative effects described above  
in relation to a door.



8  
**ART 34 AMDT** 10/031287  
**531 Rec'd PCT/H** 14 JAN 2002Amended Patent Claims

1. An openable screen element for insertion in an opening of a wall, particularly a door or a window, comprising at least one screen element side-hinged to a frame structure, said screen element being pivotally mounted over a hinge axis in the frame structure for opening and closing in a direction away from the opening,  
characterised by  
the screen element comprising a first and second planar sectional element, preferably rectangular in shape, said elements being mutually angled and arranged in different planes with an intersection line essentially parallel with the hinge axis.
2. A openable screen element according to claim 1, wherein the two planar sectional elements are placed in two planes with a mutual angle of 10° to 20°, preferably around 15°.
3. An openable screen element according to claim 1 or 2, wherein the screen element is provided with a rebate along at least the side and top ends, said rebate having a complimentary cross section shape in relation to the cross section of the frame structure.
4. An openable screen element according to claims 1 to 3, wherein the two planar sectional elements have two planes that are both different from the plane of the wall opening.
5. An openable screen element according to claims 1 to 3, wherein the first planar sectional element have a plane parallel or coincident with the wall plane and the second planar sectional element differing therefrom.
6. An openable screen element according to any of the preceding claims, wherein the element comprises two screen elements side-hinged at each side of the frame structure.

**ART 34 AMDT**

29

7. An openable screen element according to claim 6, wherein the two screen elements have the same opening direction.
8. An openable screen element according to claim 6, wherein the two screen elements have opposite opening directions.
9. An openable screen element according to any of the preceding claims, wherein lighting means are arranged in connection with the screen element and/or the frame structure with optional sensor means for activating the lighting means.
10. A screen element according to any of the preceding claims, wherein the screen element is a fire door.
11. A screen element according to claim 10, wherein the screen element of the door has a space between the two outer surfaces wherein automatic door closing means are arranged in connection with the side hinge means.
12. A screen element according to any of the preceding claims, wherein said first planar sectional element being wider than the second planar sectional element which is provided with locking means.

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



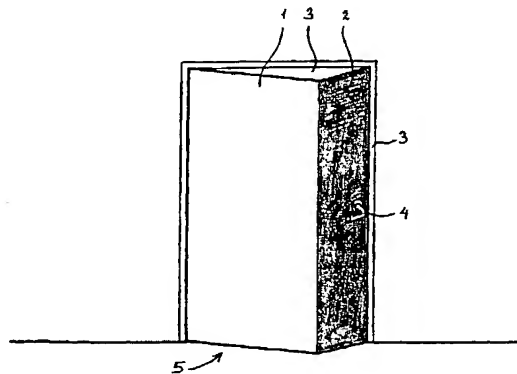
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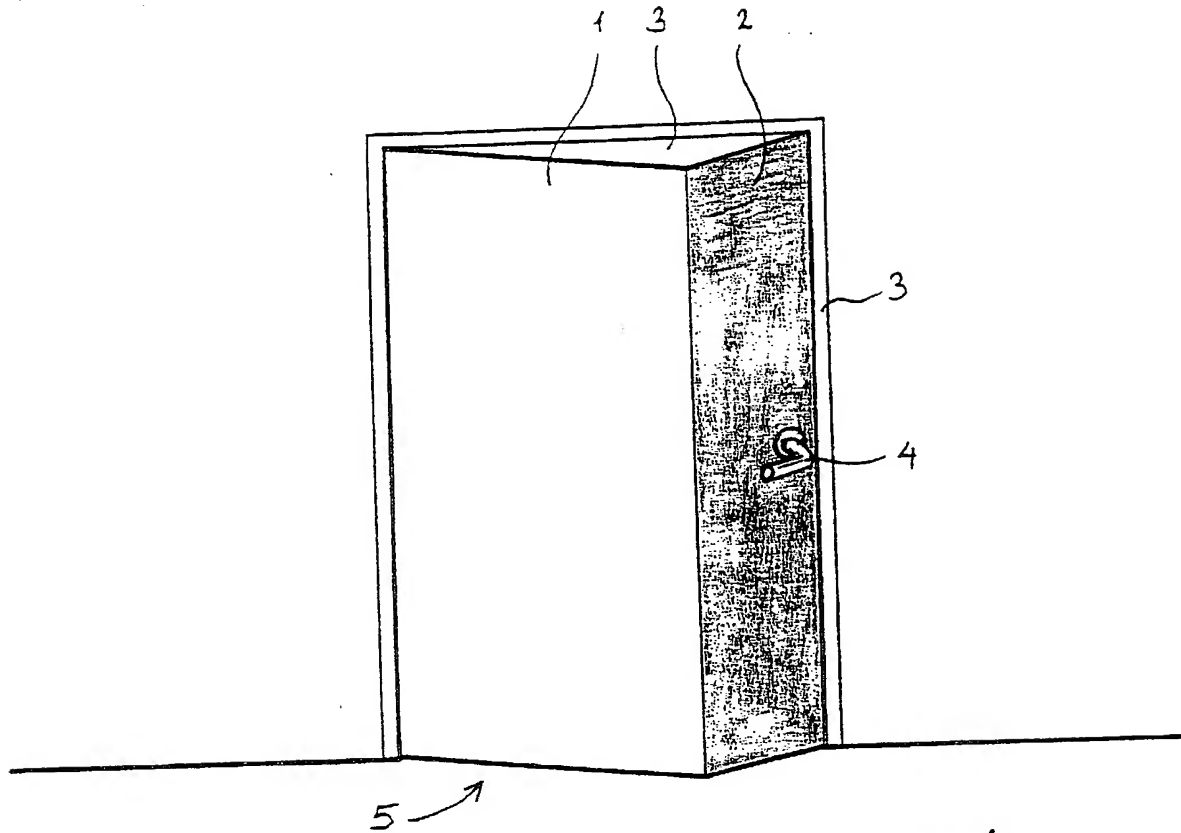
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- (71) Applicant (*for all designated States except US*):  
MULTI-TEK A/S [DK/DK]; Holger Danskesvej 15-17,  
DK-8900 Randers (DK).
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- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): JENSEN, Timothy, Jacob [DK/DK]; Hejlskovvej 104, DK-7840 Højslev (DK).
- (74) Agent: PATENTGRUPPEN APS; Arosgaarden, Aaboulevarden 23, DK-8000 Aarhus C (DK).
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— With international search report.
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: OPENABLE SCREEN ELEMENT SUCH AS A DOOR

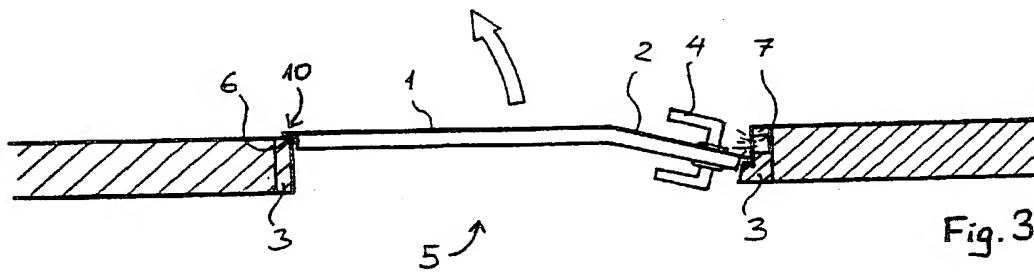
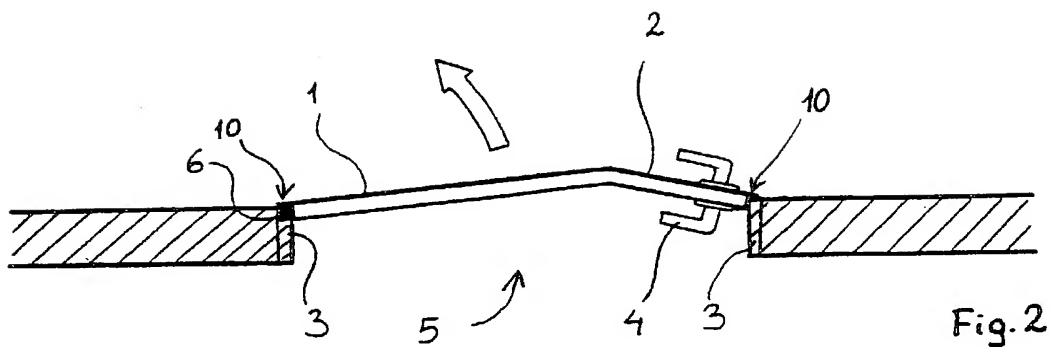


(57) Abstract: The present invention relates to an openable screen element such as an insert unit to be inserted into an opening of a wall, particularly a door or a window, comprising at least one screen element side-hinged to the frame structure, said screen element being pivotally mounted over a hinge axis in the frame structure for opening and closing in a direction away from the opening, where the screen element comprises two mutually angled planar sectional elements preferably rectangular in shape, positioned in different planes with an intersection line essentially parallel with the hinge axis. Apart from being communication surfaces containing information of the activities in a room with one or more doors according to the invention mounted into the walls, the screen element, such as a door surface of a screen element according to the invention, will also be able to function as a direction pointer or provide visual indication of the direction for opening of the screen element (door or window) due to its bent shape. With the two planar sectional elements of the door being mutually angled, it is also possible to obtain a light/shadow effect that will be able to break the visual experience of the wall portion wherein the screen element has been integrated.



*(The following information was obtained from the FBI files maintained by the New York City Office.)*

PCT/DK00/00344



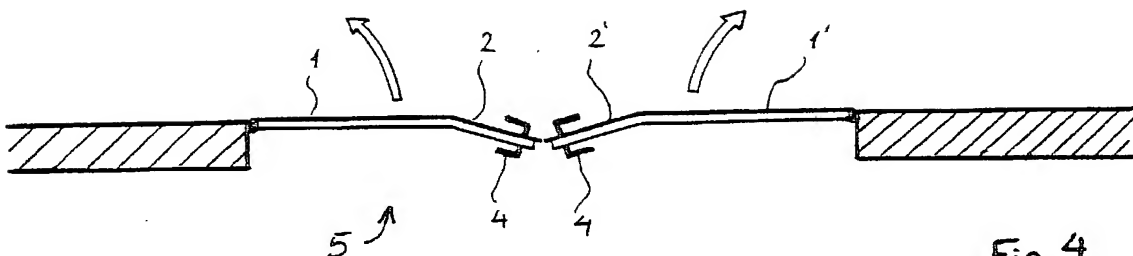


Fig. 4

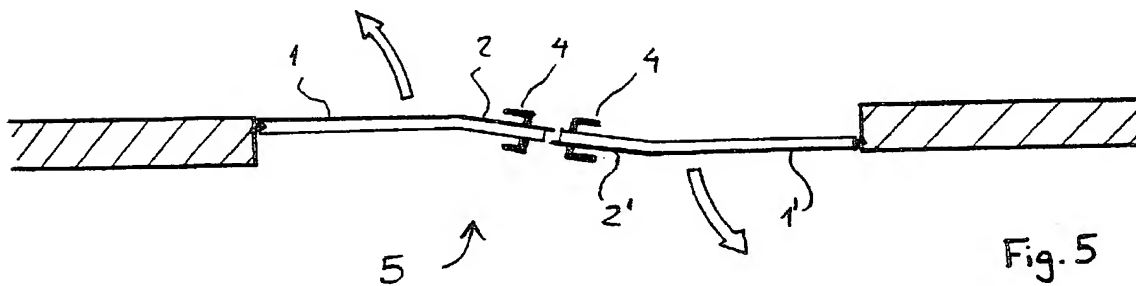


Fig. 5

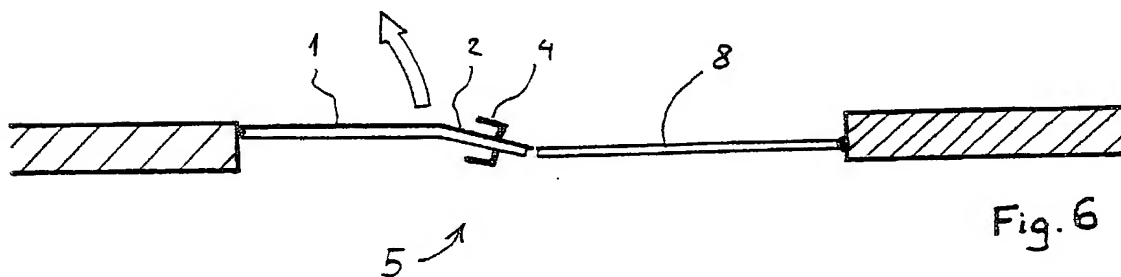


Fig. 6

WO 01/06080

Inventor: JENSEN  
Docket No.: 12875.21USWO  
Title: OPENABLE SCREEN ELEMENT SUCH AS A DOOR  
Attorney Name: John J. Gresens  
Phone No.: 612.371.5265  
Sheet 4 of 4

10/031287

PCT/DK00/00344

10/031287

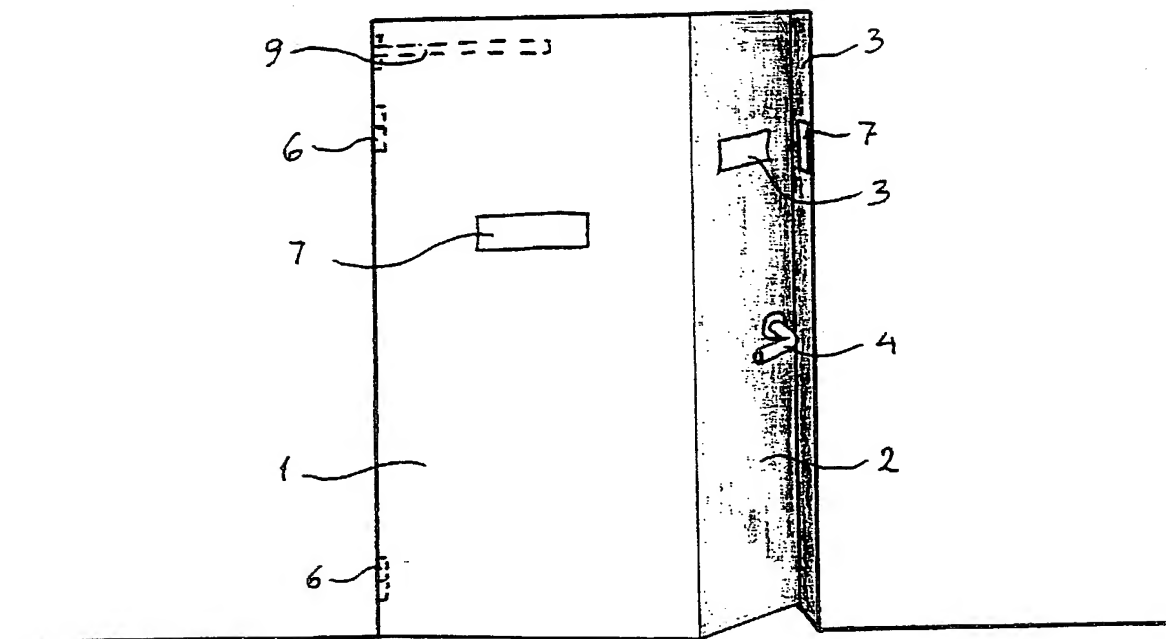


Fig. 7

Attorney Docket No. 12875.21USWO

MERCHANT &amp; GOULD P.C.

United States Patent Application

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: OPENABLE SCREEN ELEMENT SUCH AS A DOOR —

The specification of which

- a. ☐ is attached hereto
- b. ☒ was filed on 14 January 2002 as application serial no. 10/031281 and was amended on (if applicable) (in the case of a PCT-filed application) described and claimed in international no. PCT/DK00/00344 filed 26 June 2000 and as amended on 10 September 2001 (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. ☐ no such applications have been filed.
- b. ☒ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
Denmark ✓	PA 1999 01022 ✓	14.07.1999 ✓	
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)



100312237 031302  
I acknowledge the duty to disclose information that is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (reprinted below):

**§ 1.56 Duty to disclose information material to patentability.**

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim
- or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Albrecht, John W. Reg. No. 40,481  
 Ali, M. Jeffer Reg. No. 46,359  
 Altera, Allan G. Reg. No. 40,274  
 Anderson, Gregg I. Reg. No. 28,828  
 Batzli, Brian H. Reg. No. 32,960  
 Beard, John L. Reg. No. 27,612  
 Berns, John M. Reg. No. 43,496  
 Branch, John W. Reg. No. 41,633  
 Brown, Jeffrey C. Reg. No. 41,643  
 Bruess, Steven C. Reg. No. 34,130  
 Byrne, Linda M. Reg. No. 32,404  
 Campbell, Keith Reg. No. 46,597  
 Carlson, Alan G. Reg. No. 25,959  
 Caspers, Philip P. Reg. No. 33,227  
 Clifford, John A. Reg. No. 30,247  
 Cook, Jeffrey Reg. No. 48,642  
 Daignault, Ronald A. Reg. No. 25,968  
 Daley, Dennis R. Reg. No. 34,994  
 Daulton, Julie R. Reg. No. 36,414  
 DeVries Smith, Katherine M. Reg. No. 42,157  
 DiPietro, Mark J. Reg. No. 28,707  
 Doscotch, Matthew A. Reg. No. P-48,957  
 Edell, Robert T. Reg. No. 20,187  
 Epp Ryan, Sandra Reg. No. 39,667  
 Glance, Robert J. Reg. No. 40,620  
 Goff, Jared S. Reg. No. 44,716  
 Goggin, Matthew J. Reg. No. 44,125  
 Golla, Charles E. Reg. No. 26,896  
 Gorman, Alan G. Reg. No. 38,472  
 Gould, John D. Reg. No. 18,223  
 Gregson, Richard Reg. No. 41,804  
 Gresens, John J. Reg. No. 33,112  
 Hamer, Samuel A. Reg. No. 46,754  
 Hamre, Curtis B. Reg. No. 29,165  
 Harrison, Kevin C. Reg. No. 46,759  
 Hertzberg, Brett A. Reg. No. 42,660  
 Hillson, Randall A. Reg. No. 31,838  
 Holzer, Jr., Richard J. Reg. No. 42,668  
 Hope, Leonard J. Reg. No. 44,774  
 Jardine, John S. Reg. No. P-48,835  
 Johns, Nicholas P. Reg. No. 48,995  
 Johnston, Scott W. Reg. No. 39,721  
 Kadicvitch, Natalie D. Reg. No. 34,196  
 Kaseburg, Frederick A. Reg. No. 47,625  
 Kettelberger, Denise Reg. No. 33,924  
 Keys, Jeramie J. Reg. No. 42,724  
 Knearl, Homer L. Reg. No. 21,197  
 Kowalchuk, Alan W. Reg. No. 31,535  
 Kowalchuk, Katherine M. Reg. No. 36,848  
 Lacy, Paul E. Reg. No. 38,946  
 Larson, James A. Reg. No. 40,443

Leonard, Christopher J. Reg. No. 41,940  
 Liepa, Mara E. Reg. No. 40,066  
 Lindquist, Timothy A. Reg. No. 40,701  
 Lown, Jean A. Reg. No. 48,428  
 Mayfield, Denise L. Reg. No. 33,732  
 McDonald, Daniel W. Reg. No. 32,044  
 McIntyre, Jr., William F. Reg. No. 44,921  
 Mitchem, M. Todd Reg. No. 40,731  
 Mueller, Douglas P. Reg. No. 30,300  
 Nelson, Anna M. Reg. No. 48,935  
 Paley, Kenneth B. Reg. No. 38,989  
 Parsons, Nancy J. Reg. No. 40,364  
 Pauly, Daniel M. Reg. No. 40,123  
 Phillips, John B. Reg. No. 37,206  
 Pino, Mark J. Reg. No. 43,858  
 Prendergast, Paul Reg. No. 46,068  
 Pytel, Melissa J. Reg. No. 41,512  
 Qualey, Terry Reg. No. 25,148  
 Reich, John C. Reg. No. 37,703  
 Reiland, Earl D. Reg. No. 25,767  
 Samuels, Lisa A. Reg. No. 43,080  
 Schmaltz, David G. Reg. No. 39,828  
 Schuman, Mark D. Reg. No. 31,197  
 Schumann, Michael D. Reg. No. 30,422  
 Scull, Timothy B. Reg. No. 42,137  
 Sebal, Gregory A. Reg. No. 33,280  
 Skoog, Mark T. Reg. No. 40,178  
 Spellman, Steven J. Reg. No. 45,124  
 Stewart, Alan R. Reg. No. 47,974  
 Stoll-DeBell, Kirstin L. Reg. No. 43,164  
 Sullivan, Timothy Reg. No. 47,981  
 Summer, John P. Reg. No. 29,114  
 Swenson, Erik G. Reg. No. 45,147  
 Tellekson, David K. Reg. No. 32,314  
 Trembath, Jon R. Reg. No. 38,344  
 Tunheim, Marcia A. Reg. No. 42,189  
 Underhill, Albert L. Reg. No. 27,403  
 Vandenberg, J. Derek Reg. No. 32,179  
 Wahl, John R. Reg. No. 33,044  
 Weaver, Paul L. Reg. No. 48,640  
 Welter, Paul A. Reg. No. 20,890  
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 Whitaker, John E. Reg. No. 42,222  
 Wier, David D. Reg. No. P-48,229  
 Williams, Douglas J. Reg. No. 27,054  
 Withers, James D. Reg. No. 40,376  
 Witt, Jonelle Reg. No. 41,980  
 Wong, Thomas S. Reg. No. 48,577  
 Wu, Tong Reg. No. 43,361  
 Young, Thomas Reg. No. 25,796  
 Zeuli, Anthony R. Reg. No. 45,255

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Please direct all correspondence in this case to Merchant & Gould P.C. at the address indicated below:

Merchant & Gould P.C.  
P.O. Box 2903  
Minneapolis, MN 55402-0903



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statement may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name JENSEN	First Given Name Timothy	Second Given Name Jacob
0	Residence & Citizenship	City Hojstev	State or Foreign Country Denmark	Country of Citizenship Denmark
1	Mailing Address	Address Hejlskovvej 104	City Hojstev	State & Zip Code/Country DK-7840 / Denmark
Signature of Inventor 201:			Date: 1/3-02	